

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1. (Currently Amended): A recording/reproducing apparatus for recording and reproducing data on and from an optical disk that has an address data area having embossed pits and a recording/reproducing area having a wobbling spiral groove, said apparatus comprising:

head means for reading address data from the address data area and writing and reading a signal in and from the recording/reproducing area;

system controller means for controlling components of the recording/reproducing apparatus including servo circuit means, the system controller means controlling the servo circuit means for moving the head means to a desired address position on the optical disk; and

wobble-signal processing means for extracting a wobble signal from the signal the head means obtains from the wobbling spiral groove and for providing the wobble signal to a PLL circuit means for producing a sync signal from the wobble signal[[:]], and

pulse means for producing a pulse at least during wherein the system controller means further produces a wobble enable signal disturbance period occurring when the system controller means controls switching of the recording/reproducing apparatus between at least one of recording and reproducing operations, when the system controller means controls the servo circuit means to move the head means to a desired address position on the optical disc, and when the wobble-signal processing means otherwise does not provide a wobble signal extracted from the signal the head means obtains from the wobbling spiral groove and for

~~providing provides~~ the pulse wobble enable signal to the PLL circuit means, said PLL circuit means further providing an unchanging sync signal ~~during the wobble signal disturbance period occurring when switching between at least one of recording and reproducing operations in~~ response to receiving the pulse wobble enable signal.

Claims 2-5 (canceled).

6. (Currently Amended): A recording/reproducing method of recording and reproducing data on and from an optical disk that has an address data area having embossed pits and a recording/reproducing area having a wobbling spiral groove, said method comprising the steps of:

reading address data from the address data area and writing and reading a signal from the recording/reproducing area using a head;

extracting a wobble signal from a signal obtained from the wobbling spiral groove when the head and wobbling spiral groove are in proximity;

providing the wobble signal to a PLL circuit to produce a sync signal from the wobble signal;

using a system controller to control components of the recording/reproducing apparatus to provide operations resulting in the loss of the extracted wobble signal including the operation of switching between recording and reproducing functions and operations in which the head is not in proximity with the wobbling spiral groove ;

providing a ~~pulse~~ wobble enable signal from the system controller to the PLL circuit at

least ~~during a wobble signal disturbance period occurring when~~ the system controller is
controlling components of the recording/reproducing apparatus to provide the operations
resulting in the loss of the extracted wobble signal ~~switching between at least one of recording~~
~~and reproducing operations to cause the~~ wobble enable signal from the system controller
causing the PLL circuit to hold the sync signal unchanged ~~through as long as the wobble enable~~
~~signal disturbance period occurring when switching between at least one of recording and~~
~~reproducing operations~~ is provided by the system controller.

7. (Currently Amended): The recording/reproducing apparatus according to Claim 1,
wherein the ~~pulse~~ system controller means ~~is connected to provide the pulse~~ provides the
wobble enable signal to an input gate of the PLL circuit means also receiving the wobble signal
from the wobble-signal processing means.

8. (Currently Amended): The recording/reproducing method according to Claim 6,
wherein the ~~pulse~~ wobble enable signal from the system controller and the wobble signal are
provided to respective inputs of a gate input of the PLL circuit.

9. (Currently Amended): A recording/reproducing apparatus configured to record and
reproduce data on and from an optical disk that has an address data area having embossed pits
and a recording/reproducing area having a wobbling spiral groove, said apparatus comprising:

a head configured to read address data from the address data area and to write and read
a signal in and from the recording/reproducing area;

a system controller configured to control components of the recording/reproducing apparatus including a servo circuit, the system controller being further configured to control the servo circuit to move the head to a desired address position on the optical disk; and

a wobble-signal processing circuit configured to extract a wobble signal from the signal the head obtains from the wobbling spiral groove and to provide the wobble signal to a PLL circuit configured to produce a sync signal from the wobble signal[[:]], and

~~pulse circuitry~~ wherein the system controller is further configured to produce a pulse at least during a wobble enable signal disturbance period occurring when the system controller controls switching of the recording/reproducing apparatus between at least one of a recording and a reproducing operation, when the system controller controls the servo circuit to move the head to a desired address position on the optical disc, and when the wobble-signal processing circuit otherwise does not provide a wobble signal extracted from the signal the head obtains from the wobbling spiral groove and to provide the pulse wobble enable signal to the PLL circuit, said PLL circuit being further configured to provide an unchanging sync signal during the wobble-signal disturbance period occurring when switching between at least one of recording and reproducing operations in response to receiving the pulse wobble enable signal from the system controller.

10. (Currently Amended): The recording/reproducing apparatus according to Claim 9, wherein the ~~pulse circuitry~~ system controller is connected to provide the ~~pulse wobble enable signal~~ signal to an input gate of the PLL circuit also receiving the wobble signal from the wobble-signal processing circuit.